

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/469,492DATE: 05/09/97
TIME: 13:57:17

INPUT SET: S17578.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Weiner, Howard
6 Miller, Ariel
7 Zheng, Zhengi
8 Al-Sabbagh, Ahmad
9
10 (ii) TITLE OF INVENTION: BYSTANDER SUPPRESSION OF AUTOIMMUNE
11 DISEASES
12
13 (iii) NUMBER OF SEQUENCES: 13
14
15 (iv) CORRESPONDENCE ADDRESS:
16 (A) ADDRESSEE: Darby & Darby
17 (B) STREET: 805 Third Ave.
18 (C) CITY: New York
19 (D) STATE: New York
20 (E) COUNTRY: U.S.A.
21 (F) ZIP: 10022
22
23 (v) COMPUTER READABLE FORM:
24 (A) MEDIUM TYPE: Floppy disk
25 (B) COMPUTER: IBM PC compatible
26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
28
29 (vi) CURRENT APPLICATION DATA:
30 (A) APPLICATION NUMBER: US 08/469,492
31 (B) FILING DATE: 06-JUN-1995
32 (C) CLASSIFICATION: 424
33
34 (vii) PRIOR APPLICATION DATA:
35 (A) APPLICATION NUMBER: US 07/843,752
36 (B) FILING DATE: 28-FEB-1992
37
38 (viii) ATTORNEY/AGENT INFORMATION:
39 (A) NAME: GOGORIS, ADDA, C.
40 (B) REGISTRATION NUMBER: 29,714
41 (C) REFERENCE/DOCKET NUMBER: 1010/16959-US2
42
43 (ix) TELECOMMUNICATION INFORMATION:
44 (A) TELEPHONE: (212)527-7700
45 (B) TELEFAX: (212)753-6237
46 (C) TELEX: 236687

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47
48
49 (2) INFORMATION FOR SEQ ID NO:1:
50
51 (i) SEQUENCE CHARACTERISTICS:
52 (A) LENGTH: 276 amino acids
53 (B) TYPE: amino acid
54 (D) TOPOLOGY: linear
55
56 (ii) MOLECULE TYPE: protein
57
58 (iii) HYPOTHETICAL: NO
59
60 (iv) ANTI-SENSE: NO
61
62 (vi) ORIGINAL SOURCE:
63 (A) ORGANISM: Bos taurus
64 (F) TISSUE TYPE: PLP
65
66 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
67
68 Gly Leu Leu Gly Cys Cys Ala Arg Cys Leu Val Gly Ala Pro Phe Ala
69 1 5 10 15
70
71 Ser Leu Val Ala Thr Gly Leu Cys Phe Phe Gly Val Ala Leu Phe Cys
72 20 25 30
73
74 Gly Cys Gly His Glu Ala Leu Thr Gly Thr Glu Lys Leu Ile Glu Thr
75 35 40 45
76
77 Tyr Phe Ser Lys Asn Tyr Gln Asp Tyr Glu Tyr Leu Ile Asn Val Ile
78 50 55 60
79
80 His Ala Phe Gln Tyr Val Ile Tyr Gly Thr Ala Ser Phe Phe Phe Leu
81 65 70 75 80
82
83 Tyr Gly Ala Leu Leu Leu Ala Tyr Gly Phe Tyr Thr Thr Gly Ala Val
84 85 90 95
85
86 Arg Gln Ile Phe Gly Asp Tyr Lys Thr Thr Ile Cys Gly Lys Gly Leu
87 100 105 110
88
89 Ser Ala Thr Val Thr Gly Gly Gln Lys Gly Arg Gly Ser Arg Gly Gln
90 115 120 125
91
92 His Gln Ala His Ser Leu Glu Arg Val Cys His Cys Leu Gly Lys Trp
93 130 135 140
94
95 Leu Gly His Pro Asp Lys Phe Val Gly Ile Thr Tyr Ala Leu Thr Val
96 145 150 155 160
97
98 Val Trp Leu Leu Val Phe Ala Cys Ser Ala Val Pro Val Tyr Ile Tyr
99 165 170 175

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100
101 Phe Asn Thr Trp Thr Thr Cys Gln Ser Ile Ala Ala Pro Ser Lys Thr
102 180 185 190
103
104 Ser Ala Ser Ile Gly Thr Leu Cys Ala Asp Ala Arg Met Tyr Gly Val
105 195 200 205
106
107 Leu Pro Trp Asn Ala Phe Pro Gly Lys Val Cys Gly Ser Asn Leu Leu
108 210 215 220
109
110 Ser Ile Cys Lys Thr Ala Glu Phe Gln Met Thr Phe His Leu Phe Ile
111 225 230 235 240
112
113 Ala Ala Phe Val Gly Ala Ala Ala Thr Leu Val Ser Leu Val Thr Phe
114 245 250 255
115
116 Met Ile Ala Ala Thr Tyr Asn Phe Ala Val Leu Lys Leu Met Gly Arg
117 260 265 270
118
119 Gly Thr Lys Phe
120 275
121

(2) INFORMATION FOR SEQ ID NO:2:

122
123
124 (i) SEQUENCE CHARACTERISTICS:
125 (A) LENGTH: 21 amino acids
126 (B) TYPE: amino acid
127 (D) TOPOLOGY: linear
128
129 (ii) MOLECULE TYPE: peptide
130
131 (iii) HYPOTHETICAL: NO
132
133 (iv) ANTI-SENSE: NO
134
135 (v) FRAGMENT TYPE: N-terminal
136
137 (vi) ORIGINAL SOURCE:
138 (A) ORGANISM: Homo sapiens
139 (F) TISSUE TYPE: insulin
140
141 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

142
143 Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu
144 1 5 10 15
145
146 Glu Asn Tyr Cys Asn
147 20
148

(2) INFORMATION FOR SEQ ID NO:3:

149
150
151 (i) SEQUENCE CHARACTERISTICS:
152 (A) LENGTH: 30 amino acids

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153         (B) TYPE: amino acid
154         (D) TOPOLOGY: linear
155
156     (ii) MOLECULE TYPE: peptide
157
158     (iii) HYPOTHETICAL: NO
159
160     (iv) ANTI-SENSE: NO
161
162     (v) FRAGMENT TYPE: N-terminal
163
164     (vi) ORIGINAL SOURCE:
165         (A) ORGANISM: Homo sapiens
166         (F) TISSUE TYPE: insulin
167
168     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
169
170     Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
171     1             5             10             15
172
173     Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr
174             20             25             30
175
176     (2) INFORMATION FOR SEQ ID NO:4:
177
178     (i) SEQUENCE CHARACTERISTICS:
179         (A) LENGTH: 171 amino acids
180         (B) TYPE: amino acid
181         (D) TOPOLOGY: linear
182
183     (ii) MOLECULE TYPE: protein
184
185     (iii) HYPOTHETICAL: NO
186
187     (iv) ANTI-SENSE: NO
188
189     (vi) ORIGINAL SOURCE:
190         (A) ORGANISM: Homo sapiens
191         (F) TISSUE TYPE: MBP
192
193     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
194
195     Ala Ser Gln Lys Arg Pro Ser Gln Arg His Gly Ser Lys Tyr Leu Ala
196     1             5             10             15
197
198     Thr Ala Ser Thr Met Asp Asn Ala Arg Asn Gly Phe Leu Pro Arg Asn
199             20             25             30
200
201     Arg Asp Thr Gly Ile Leu Asp Ser Ile Gly Arg Phe Phe Gly Gly Asp
202             35             40             45
203
204     Arg Gly Ala Pro Lys Arg Gly Ser Gly Lys Asp Ser Met Met Pro Ala
205             50             55             60

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206
207 Arg Thr Ala Met Tyr Gly Ser Leu Pro Gln Lys Ser Asn Gly Arg Thr
208 65 70 75 80
209
210 Gln Asp Glu Asn Pro Val Val Met Phe Phe Lys Met Ile Val Thr Pro
211 85 90 95
212
213 Arg Thr Pro Pro Pro Ser Gln Gly Lys Gly Arg Gly Leu Ser Leu Ser
214 100 105 110
215
216 Arg Phe Ser Trp Gly Ala Glu Ser Gln Arg Arg Pro Gly Phe Gly Tyr
217 115 120 125
218
219 Gly Gly Arg Ala Ser Asp Tyr Lys Ser Ala Met Lys Gly Phe Lys Gly
220 130 135 140
221
222 Val Asp Ala Gln Gly Thr Leu Ser Lys Ile Phe Lys Leu Gly Gly Arg
223 145 150 155 160
224
225 Asp Ser Arg Ser Gly Ser Pro Met Ala Arg Arg
226 165 170
227

(2) INFORMATION FOR SEQ ID NO:5:

228
229
230 (i) SEQUENCE CHARACTERISTICS:
231 (A) LENGTH: 171 amino acids
232 (B) TYPE: amino acid
233 (D) TOPOLOGY: linear
234

235 (ii) MOLECULE TYPE: protein
236

237 (iii) HYPOTHETICAL: NO
238

239 (iv) ANTI-SENSE: NO
240

241 (vi) ORIGINAL SOURCE:
242 (A) ORGANISM: Bos taurus
243 (F) TISSUE TYPE: MBP
244

245 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
246

247 Ala Ala Gln Lys Arg Pro Ser Gln Arg Ser Lys Tyr Leu Ala Ser Ala
248 1 5 10 15
249
250 Ser Thr Lys Asp Met Ala Arg Met Gly Pro Leu Pro Arg Asn Arg Asp
251 20 25 30
252
253 Thr Gly Ile Leu Asp Ser Leu Gly Arg Phe Phe Gly Ser Asp Arg Gly
254 35 40 45
255
256 Ala Pro Lys Arg Gly Ser Gly Ser Gly Lys Asp Gly Met Met Ala Ala
257 50 55 60
258

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SEQUENCE VERIFICATION REPORT
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Original Text